SCR210

- temperature range -10 ÷ 300°C (depending on the cable used)
- mounting using a magnet and a pressure spring
- various magnetic surfaces
- thermowell spring protection against excessive cable bending

Resistance thermometers SCR210 are designed to measure the temperature of flat magnetic surfaces. The sensor consists of a neodymium magnet of a specific shape and a connection cable. Thanks to the special structure and the use of a pressure spring, the measuring element adheres tightly to the measured surface, which ensures measurement accuracy and dynamics.

Application areas:
- temperature measurement of ferrous material,
- general industrial services.

TECHNICAL DATA

Sensing element	Pt100, Pt500, Pt1000 (2-, 3- or 4-wire)
Measuring range	-10 ÷ 300°C (depending on the cable used)
Class	A, B or 1/3 B
Cable	type: single cond teflon or single cond fibreglass, standard length 1500 mm or other according to order

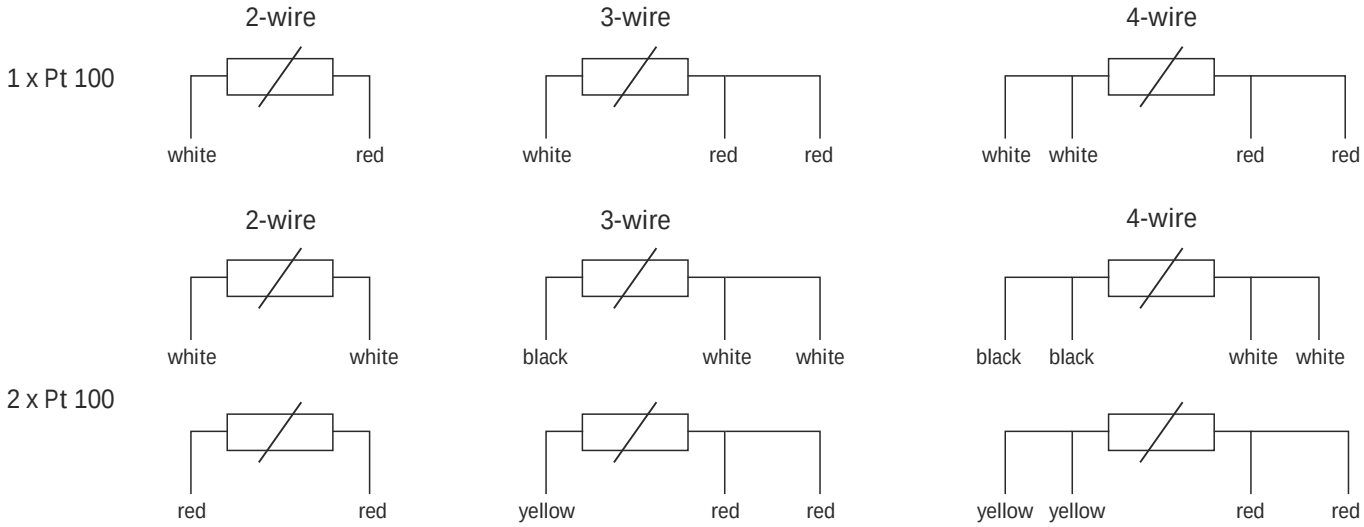
MAGNETIC SURFACE

Magnetic surface	Diameter D	Diameter D1	Length L	Adhesion force
M1	Ø 13 mm	Ø 4,2 mm	10 mm	7 [N]
M2	Ø 19 mm	Ø 5,4 mm	13 mm	19 [N]
M3	Ø 25 mm	Ø 5,4 mm	16 mm	29 [N]
M4	Ø 32 mm	Ø 7 mm	25 mm	66 [N]

RESISTOR TOLERANCE ACC. TO PN-EN 60751

Class	Tolerance [°C]
1/3B	t = 0,10 + 0,002 x |t|
A	t = 0,15 + 0,002 x |t|
B	t = 0,30 + 0,005 x |t|

ELECTRICAL CONNECTION



ORDERING

SCR210-X-X-X-X-X-X-X

temperature sensor:
1 : single
2 : double

sensing element:
Pt 100
Pt 500
Pt 1000
other, please specify

magnetic surface (with table):
M1
M2
M3
M4

measuring circuit:
2 : 2-wire
3 : 3-wire
4 : 4-wire

accuracy class:
A
B
1/3B

connection cable length (AL):
1500 : 1,5 linear meter
other, please specify [mm]

insulation types of connection cable:
T : single cond teflon (260°C max.)
WS1 : single cond fibreglass (400°C max.)

Ordering example:
SCR210-1-Pt100-M1-T-1500-B-2
Single RTD temperature sensor, 1xPt100, B tolerance class, 2-wire, magnet type M1, single conductors in teflon insulation, connection cable length 1500 mm.